

## ABSTRACT

The present invention provides therapeutic formulations for hematopoietic diseases comprising as effective ingredient, synoviolin which is reported to be isolated as a synovial cell protein and its gene, and therapeutic methods and such comprising the step of administering the protein or polynucleotide. The present invention also provides as models of hematopoietic diseases, animals whose synoviolin is homozygously deficient and cells derived from such animals; and additionally provides methods that use these models in the screening of therapeutic agents for hematopoietic diseases.